2016 Report on the Implementation of P.A. 295 Utility Energy Optimization Programs

In Compliance with Public Act 295 of 2008

Sally A. Talberg, Chairman Norman J. Saari, Commissioner Rachael A. Eubanks, Commissioner

MICHIGAN PUBLIC SERVICE COMMISSION DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

November 30, 2016



Table of Contents

Executive Summary	1
Introduction	1
Program Offerings	2
Energy Savings Targets	2
EO Surcharges and Program Funding	4
Program Benefits	∠
Cost Effectiveness	5
Residential Bill Information on Estimated Monthly Savings	6
State Administrator: Efficiency United	6
Programs for Low Income Customers	(
Self-Directed EO Program	7
Financial Incentive Mechanism	8
MPSC Energy Optimization Collaborative	8
Michigan Energy Measures Database	9
Revenue Decoupling	9
Conclusion	9
Appendix A: 2014-2015 Energy Optimization Plan Filings	. 11
Appendix B: Energy Optimization Targets	. 12
Appendix C: Energy Optimization Program Funding	. 13

Executive Summary

Michigan's Energy Optimization (EO) standard, created under Public Act 295 of 2008 (PA 295 or the Act), requires all natural gas and electric utility providers in the state to implement programs to reduce overall energy usage by specified targets, in order to reduce the future cost of service to utility customers. This report complies with Section 95 of the Act. Summaries of the report's major findings are as follows:

For 2015, Michigan utility providers successfully complied with the energy savings targets laid out in PA 295. Providers met a combined average of 121 percent of their electric energy savings targets and 117 percent of their natural gas energy savings targets – one percent of retail sales for electric providers, and 0.75 percent of retail sales for gas providers. EO programs across the state accounted for electric savings totaling over 1.1 million MWh (megawatt hours) and natural gas savings totaling over 4.58 million Mcf (thousand cubic feet) for program year 2015.

Utility providers spent \$262 million to operate the EO programs in 2015. This will result in lifecycle savings to customers of \$1.08 billion. For every dollar spent on EO programs in 2015, customers will realize benefits of \$4.35. EO resources were obtained at a cost of \$13.55 per MWh, which is significantly lower than the costs of supply side options. PA 295 requires that all programs meet the Utility System Resource Cost Test (USRCT). All programs offered during 2015 had a USRCT of 1.00 or greater. This means that the avoided supply side costs are greater than the total costs of administering and delivering the EO programs.

Introduction

In October 2008, Public Act 295 of 2008 was signed into law. Section 95(3)(e) of the Act requires that by November 30, 2009, and each year thereafter, the Michigan Public Service Commission (MPSC or Commission) is to submit to the standing committees of the Senate and House of Representatives with primary responsibility for energy and environmental issues, a report on the Commission's effort to implement energy conservation and energy efficiency programs or measures. The report may include any recommendations of the MPSC for energy conservation legislation.

Subpart B of PA 295 requires providers of electric or natural gas service to establish energy optimization (EO) programs for their customers. Annual energy savings targets for providers are specified in the Act. These targets ramped up to one percent of annual retail sales for electric providers and 0.75 percent of annual retail sales for natural gas providers in 2012. Targets shall be sustained for subsequent years. Providers are required to file plans with the Commission detailing the programs they will utilize to meet their annual energy savings goals. Regulated providers are allowed to fund their programs through Commission approved EO surcharges, but must demonstrate that the program costs are reasonable and prudent, as well as cost-effective according to a standardized cost-benefit analysis specified in the Act.

In 2015, there were 14 investor-owned natural gas, electric, or natural gas and electric combined utility providers (IOUs), 10 electric cooperatives, and 40 municipal electric utilities with EO plans, for a total of 64 natural gas and electric Energy Optimization Plans. A listing of case numbers and company

names can be found in *Appendix A*. For the 2015 plan year, 50 of the 64 utilities in Michigan are formally coordinating the design and implementation of their EO programs in order to reduce administrative costs, create consistency among programs, and improve customer and contractor understanding of program offerings and administrative procedures. The remaining 14 utilities independently administer their own programs. To the extent feasible, the utility providers that independently administer their programs try to align with the program design offered by the coordinated utility providers' programs to improve customer and contractor participation.

Program Offerings

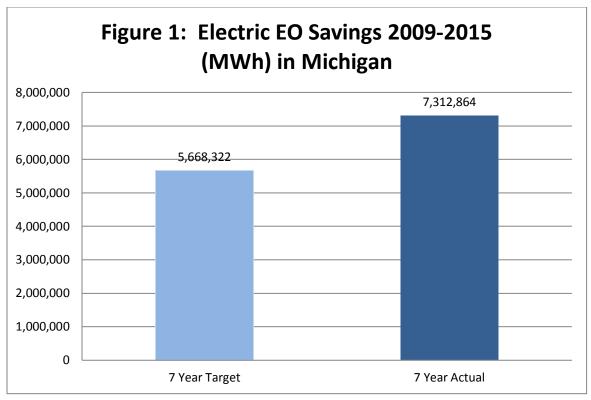
All natural gas and electric utility customers in Michigan are able to participate in energy efficiency programs offered by their local utility. In general, individual programs are divided into two broad categories: residential and commercial/industrial. Residential programs consist of five major categories: lighting; heating, ventilating and air conditioning (HVAC); weatherization; energy education; and pilot programs. Commercial/Industrial offerings include prescriptive and custom programs. Prescriptive programs provide rebates for specific equipment replacement such as lighting, boilers, pumps, and compressors. Custom programs generally provide a rebate per kWh of electricity savings or per Mcf of natural gas savings for a comprehensive system or industrial process improvement.

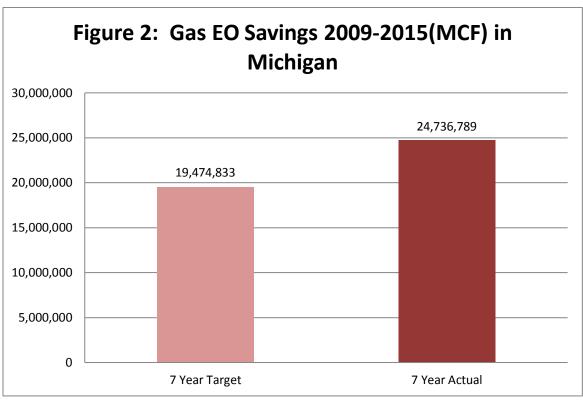
Energy Savings Targets

Section 77 of PA 295 provides annual energy savings targets for electric and natural gas utilities. The minimum savings targets are based upon a percentage of calendar-year retail sales for each utility. These energy savings targets increased progressively over the four year period from 2009 to 2012 at which time they were fixed at one percent for electric utilities and 0.75 percent for natural gas utilities annually.

For 2015, Michigan utility providers successfully complied with the energy savings targets laid out in PA 295. Providers met a combined average of 121 percent of their electric energy savings targets and 117 percent of their natural gas energy savings targets. EO programs across the state accounted for one year electric savings totaling over 1.1 million MWh (megawatt hours) and natural gas savings totaling over 4.58 million Mcf (thousand cubic feet) for program year 2015.

For the seven year period of 2009 through 2015, EO program savings achieved for electric utility providers were 129 percent of the target. The target and actual electric savings for 2009 through 2015 are shown below in *Figure 1*. EO program savings achieved for natural gas utility providers were 127 percent of the required target. The total statewide target and actual gas savings for 2009 through 2015 are shown in *Figure 2*. For a detailed spreadsheet of energy savings targets and achieved energy savings by utility provider, see *Appendix B*.





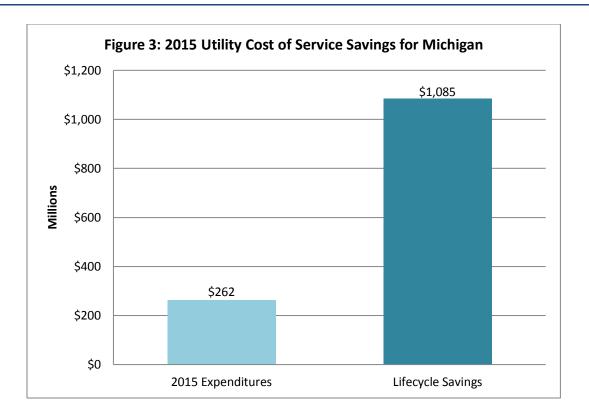
EO Surcharges and Program Funding

Section 71 of PA 295 requires utilities to specify necessary funding levels for the activities being proposed. Commission-regulated utility providers are able to recover their EO program expenditures through a customer surcharge approved by the Commission. Under Section 89 of PA 295, surcharges approved by the Commission are assessed on either an energy usage basis or on a per meter basis. Residential customers pay based on their energy usage. The average residential customer pays approximately \$1 to \$2 per month. Generally, the larger, primary electric or natural gas transportation customer's EO surcharge is based on a per meter charge. Funding information by utility is included in *Appendix C*.

Program Benefits

In 2015, aggregate EO program expenditures of \$262 million by all natural gas and electric utilities in the state are estimated to result in lifecycle savings to customers of \$1.08 Billion. For every dollar spent on EO programs in 2015, customers should expect to realize benefits of \$4.35. Data provided to the Commission in EO provider annual reports indicate that EO resources were obtained at a statewide levelized cost of \$13.55/MWh, significantly cheaper than supply side options such as new natural gas combined cycle generation at \$56.40/MWh (Source: U.S. Energy Information Administration Annual Energy Outlook 2016).

The benefits of the EO program will flow through to customers over the mean lifecycle of all efficiency projects implemented by customers during the year. The direct benefits are in the form of reduced utility cost of service for production or purchase of electricity, or purchases of natural gas, which would otherwise be recovered in utility rates. These savings represent the avoided cost to utilities due to lower energy usage, and are calculated based on the energy savings identified for individual energy efficiency measures as reflected in the Michigan Energy Measures Database. Over the long run, the cumulative reduction in customer demand for electricity is expected to result in the deferral or reduction in the need to build new electric generation plants, the cost of which is allocated to all customers, whether or not they have participated in the EO program. The net present value of utility cost of service savings for EO expenditures statewide is shown in *Figure 3*.



Electric EO programs not only delay the need for building new generation, they also reduce emissions of environmental pollutants from existing generation. Fossil fuel generation plants in particular emit sulfur dioxide, nitrous oxides, mercury, other air toxics and particulate matter. Both the electric and natural gas EO programs also result in hundreds of millions of dollars in fuel cost savings that would have otherwise been spent in order to import energy into Michigan. EO programs also increase demand for equipment and installations from local businesses. In addition, the benefits flowing to Michigan utility customers via the EO program should help reduce utility uncollectible expenses and lower operating costs for Michigan businesses and institutions.

Cost Effectiveness

There are many ways to calculate the cost effectiveness of utility energy efficiency programs. Simply stated the overall benefits should outweigh the overall costs. PA 295 requires providers to meet the Utility System Resource Cost Test (USRCT). As defined in section 13 of PA 295, the USRCT standard is met for an investment in energy optimization if, on a life cycle basis, the total avoided supply-side costs to the provider, including representative values for electricity or natural gas supply, transmission, distribution, and other associated costs, are greater than the total costs to the provider of administering and delivering the energy optimization program.

All of the utilities met the cost effectiveness test, with a USRCT score of 1.00 or greater. Providers who chose to use the state administrator did not have to meet this requirement but the state administrator was contractually required to do so.

Section 97 of PA 295 requires the Commission to evaluate and determine whether the energy optimization standards have been cost-effective. The levelized cost of conserved energy for the energy optimization programs in Michigan is \$13.55/MWh, which is lower that other sources of energy supply. This was weighted by the life cycle energy savings, extrapolated through 2029, expected from the companies' Energy Optimization Programs.

Residential Bill Information on Estimated Monthly Savings

Section 45 of PA 295 describes information that a provider shall report to the residential customer on the monthly customer bill. Subsection (5)(c) requires 'An estimated monthly savings, expressed in dollars and cents, for that customer to reflect the reduction in the monthly energy bill produced by the energy optimization program under this act'. The Commission has calculated the following statewide average monthly electric and natural gas savings estimates for use by small providers in lieu of company specific estimates:

The average electric residential customer is expected to save \$5.07 each month of the Energy Optimization program life.

The average natural gas residential customer is expected to save \$5.57 each month of the Energy Optimization program life.

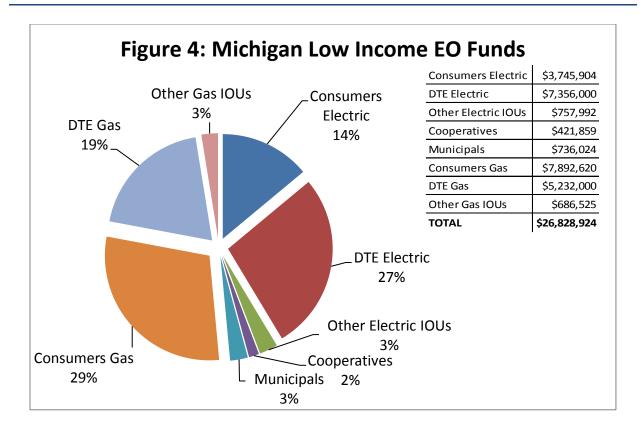
State Administrator: Efficiency United

Section 91 of PA 295 created an option for electric and natural gas providers to offer energy optimization services through a program administrator. Section 91(6) requires the administrator to be a 'qualified nonprofit organization' selected by the MPSC through a competitive bid process. To fund the program the administrator is paid directly by the participating providers using funds collected from customers.

Michigan Community Action (MCA) is under contract as the State Administrator and operates under the name of Efficiency United (EU). Services and offerings are similar to, and coordinated with, those of other providers. Although EU program services are specifically exempt from meeting the PA 295 energy savings targets, equivalent contractual targets were imposed and reached each year since 2009.

Programs for Low Income Customers

Sections 71, 89, and 93 of PA 295 require utilities to offer EO programs for each customer class, including low income residential. All customer classes must contribute proportionally to low income program costs based on their allocation of the utility's total EO budget. Low income EO programs are excluded from the requirement to meet the cost-benefit test. Approximately 10% of the total 2015 EO program expenditures were allocated to income qualified customers. Most Michigan customers at or below 200% of the federal poverty level qualify for these programs. The contribution to low income program costs by Michigan utilities in 2015 is shown in *Figure 4*.



Self-Directed EO Program

Under Section 93 of PA 295, large electric customers that meet certain eligibility requirements may create and implement a customized EO plan, and thus be exempt from paying an EO surcharge except for a portion of income qualified program costs. Electric customer eligibility to participate in the self-directed EO plans is determined by the customer's annual peak demand. The Act allows customers with at least 1 MW aggregated annual peak demand in the preceding year at all of the customer's sites within a service provider's territory to participate. The number of customers enrolled to self-direct their own EO program has continued to drop, with 20 customers self-directing in 2015, as shown in *Table 1*. Reported energy savings for these self-directed large commercial and industrial customers are summarized in *Table 2*.

Table 1: Number of Michigan Self-Directed Large Commercial and Industrial Customers

Provider	2009 Customers	2010 Customers	2011 Customers	2012 Customers	2013 Customers	2014 Customers	2015 Customers
DTE Electric	26	26	13	7	6	6	6
Consumers Energy	30	30	16	13	11	9	7
Efficiency United	9	11	10	6	6	6	5
Cooperatives	3	3	4	3	3	2	1
Municipals	9	9	4	3	3	1	1
TOTAL	77	79	47	32	29	24	20

Table 2: Reported Energy Savings for Michigan Self-Directed Large Commercial and Industrial Customers

	2009 Reported	2010 Reported	2011 Reported	2012 Reported	2013 Reported	2014 Reported	2015 Reported
Provider	Energy Reduction (MWh)						
DTE Electric	12,486	18,488	7,835	9,535	6,115	6,084	5,749
Consumers Energy	8,515	12,343	7,404	7,118	5,936	5,062	4,899
Efficiency United	5,196	14,568	20,808	30,654	24,515	23,903	2,152
Cooperatives	899	1,498	1,442	1,262	813	533	72
Municipals	2,006	3,343	606	500	450	Not Available	1,136
TOTAL	29,102	50,240	38,095	49,069	37,829	35,582	14,008

Financial Incentive Mechanism

Section 75 of PA 295 allows Commission-regulated utilities to request a financial incentive for exceeding the energy savings targets in a given year. There are currently 4 utilities that have obtained a financial incentive mechanism. The actual and anticipated incentives awarded for program years 2009-2015 are listed in *Table 3*.

Table 3: Utility Performance Incentives Awarded or Anticipated through 2015

Program Year	Consumers Energy Electric & Gas	DTE Energy - Electric	DTE Energy - Gas	Indiana Michigan Power Co.	SEMCO Energy Inc.	Annual Total
2009	\$5,685,305	\$3,008,829	\$913,374	n/a	n/a	\$9,607,508
2010	\$8,483,795	\$6,200,000	\$2,400,000	n/a	n/a	\$17,083,795
2011	\$14,593,977	\$8,400,000	\$3,400,000	n/a	n/a	\$26,393,977
2012	\$17,327,620	\$10,400,000	\$4,300,000	n/a	n/a	\$32,027,620
2013	\$17,530,000	\$10,562,411	\$3,848,020	n/a	n/a	\$31,940,431
2014	\$17,322,230	\$12,716,895	\$3,617,094	\$618,074	\$780,795	\$35,055,088
2015*	\$17,700,000	\$13,100,000	\$3,600,000	\$759,727	\$933,725	\$36,093,452
Total	\$98,642,927	\$64,388,135	\$22,078,488	\$1,377,801	\$1,714,520	\$188,201,871

^{*}Anticipated

MPSC Energy Optimization Collaborative

In Case Numbers U-15805 and U-15806, the Commission directed the MPSC Staff to establish a statewide energy optimization collaborative which requires the participation of all natural gas and electric providers and offers the opportunity for a variety of additional stakeholders to participate. A key goal reached by the collaborative was the reduction of the extent and cost of the formal contested hearing process through stakeholder consensus and industry peer review of standards and procedures. The collaborative identifies recommendations for improving energy optimization plans for all providers, offers

program evaluation and support, and develops any necessary redesign improvements to energy efficiency programs. Program Design and Implementation, and Program Evaluation workgroups continued to meet throughout 2015, as well as the Michigan Energy Measures Database Technical Subcommittee.

Michigan Energy Measures Database

Measurement and verification are essential tools in improving Energy Optimization programming. In 2009, Michigan began with a foundation database of projected energy savings that was derived from other states' experience. By incorporating data derived from Michigan weather stations, program implementation, and specialized evaluation studies, the database evolved into the Michigan Energy Measures Database (MEMD).

The objective of the MEMD is to provide users with accurate information on energy savings associated with technologies or measures that could be used in energy efficiency programs. The MEMD is also used to prioritize the allocation of funding toward these possible measures. For this critical function, it is important to utilize Michigan-specific data in the MEMD. Thus, under the direction of Commission Staff, stakeholders are participating in monthly collaborative meetings to update this database. The collaborative has developed an annual process for selecting the highest priority measures to update with Michigan specific data. For the selected measures, field studies are undertaken in customer homes and businesses using data collection equipment, such as light loggers and sub-metering, and engineering analysis to obtain reliable measurement of the actual energy consumption.

Revenue Decoupling

PA 295 requires the Commission to establish revenue decoupling mechanisms (RDMs) upon request by those natural gas utilities that have implemented an Energy Optimization program. A gas utility must file a request for an RDM, although the Commission may authorize an alternative mechanism that it deems to be in the public interest. There are currently two natural gas utilities that have a decoupling mechanism, DTE Gas and Consumers Energy.

Conclusion

Energy Optimization programs have seen many successes due to continued efforts by utilities and their EO contractors and implementation allies. The 2015 program year is no exception, with utilities meeting or exceeding energy savings targets.

The year 2015 was a biennial review year and all of the utilities filed at least a 2 year plan. The updated plans show that the savings goals can be met with cost effective programs. The work of the EO Collaborative and the ongoing pilots and evaluation activities provide strong support for the evolution of the EO programs. The EO programs continue to attract a wide range of customers from low income residential to large scale industrial customers. The declining number of customers who choose to self-direct also suggests that large customers are finding value in the programs.

Customer benefits are a key outcome of the EO programs. The cost of reducing energy waste is much lower than other energy resources. Customers who participate in the program directly benefit by seeing reduced energy use and bills. Other benefits, such as reduced emissions and fuel cost savings, provide value to all customers. The EO programs have led to the creation of new jobs in Michigan, by process contractors and by installation contractors. EO programs have also prompted the increasing availability of higher efficiency equipment such as LED lighting for homes and businesses.

The Commission will continue to explore ways to improve the savings and the cost effectiveness of the programs for large and small utilities and to ensure the programs meet the needs of all customers.

	2014 - 2015 EO Plan Filings								
	COMPANY	Plan Case #	Group						
	Electric IOUs								
1	Alpena Power Company	U-17350	Efficiency United						
2	Consumers Energy Company	U-17351	Independent						
3	DTE - Energy Electric	U-17352	Independent						
4	Indiana Michigan Power Company	U-17353	Independent						
5	Northern States Power Company-Wisconsin	U-17354	Efficiency United						
6 7	Upper Peninsula Power Company Wisconsin Public Service Corporation	U-17355 U-17356	Efficiency United Efficiency United						
8	Wisconsin Flectric Power Company	U-17357	Efficiency United						
	Co-ops	<u> </u>							
9	Alger Delta Cooperative Electric Association	U-17367	MI Electric Coop. Assoc.						
_	Bayfield Electric Cooperative	U-17368	Efficiency United						
	Cherryland Electric Cooperative	U-17369	Independent						
	Cloverland Electric Cooperative	U-17364	MI Electric Coop. Assoc.						
_	Great Lakes Energy Cooperative Midwest Energy Cooperative	U-17370 U-17365	MI Electric Coop. Assoc. MI Electric Coop. Assoc.						
	Ontonagon Co. Rural Electricification Assoc.	U-17371	MI Electric Coop. Assoc.						
_	Presque Isle Electric and Gas Co-op	U-17372	MI Electric Coop. Assoc.						
	Thumb Electric Cooperative	U-17366	MI Electric Coop. Assoc.						
	Tri-County Electric Cooperative	U-17373	MI Electric Coop. Assoc.						
	Municipals								
	Village of Baraga	U-17381	Efficiency United						
_	City of Bay City City of Charlevoix	U-17382 U-17383	MI Public Power Agency						
22		U-17384	MI Public Power Agency MI Public Power Agency						
_	Village of Clinton	U-17385	Independent						
_	Coldwater Board of Public Utilities	U-17386	Independent						
_	Croswell Municipal Light & Power Department	U-17387	MI Public Power Agency						
26	City of Crystal Falls	U-17388	Efficiency United						
27	00	U-17389	MI Electric Coop. Assoc.						
	City of Dowagiac	U-17391	MI Public Power Agency						
	City of Eaton Rapids City of Escanaba	U-17392 U-17393	MI Public Power Agency MI Electric Coop. Assoc.						
_	City of Gladstone	U-17394	Efficiency United						
32		U-17395	MI Public Power Agency						
_	City of Harbor Springs	U-17396	Efficiency United						
34	City of Hart Hydro	U-17397	MI Public Power Agency						
	Hillsdale Board of Public Utilities	U-17398	Efficiency United						
	Holland Board of Public Works	U-17399	MI Public Power Agency						
_	Village of L'Anse Lansing Board of Water & Light	U-17400 U-17401	Efficiency United Independent						
_	Lowell Light and Power	U-17401	MI Public Power Agency						
_	Marquette Board of Light and Power	U-17403	MI Electric Coop. Assoc.						
	Marshall Electric Department	U-17404	Independent						
	Negaunee Department of Public Works	U-17405	Efficiency United						
43	Newberry Water and Light Board	U-17406	MI Electric Coop. Assoc.						
_	Niles Utility Department	U-17407	MI Public Power Agency						
	City of Norway	U-17408	Efficiency United						
46	City of Paw Paw City of Petoskey	U-17409 U-17410	MI Public Power Agency MI Public Power Agency						
	City of Pertoskey City of Portland	U-17410	MI Public Power Agency						
	City of Sebewaing	U-17411	Independent						
	City of South Haven	U-17413	MI Electric Coop. Assoc.						
	City of St. Louis	U-17414	MI Public Power Agency						
52		U-17415	MI Electric Coop. Assoc.						
_	City of Sturgis	U-17416	MI Public Power Agency						
_	Traverse City Light & Power	U-17417	MI Public Power Agency						
	Union City Electric Department City of Wakefield	U-17418 U-17419	Independent Independent						
57	Wyandotte Department of Municipal Service	U-17419 U-17420	MI Public Power Agency						
_	Zeeland Board of Public Works	U-17421	MI Public Power Agency						
	Gas IOUs	V 27 121	add of other rigerity						
59	Consumers Energy Company(filing joint w/electric)	U-17351	Independent						
60	DTE - Energy Gas	U-17358	Independent						
	Michigan Gas Utilities Corporation	U-17360	Efficiency United						
	Northern States Power Co-Wisc.(filing joint w/elec)	U-17361	Efficiency United						
	SEMCO Energy, Inc.	U-17362	Independent						
40	Wisconsin Public Serv. Corp.(filing jointly w/elec)	U-17363	Efficiency United						

% of MWH Sales		0.30%			0.50%			0.75%			1%			1%			1%			1%	
76 OI WIWH Sales	2009 Target	2009 Actual	%	2010 Target	2010 Actual	%	2011 Target	2011 Actual	%	2012 Target	2012 Actual	%	2013 Target	2013 Actual	%	2014 Target	2014 Actual	%	2015 Target	2015 Actual	% Achieved
Electric IOUs	2009 Target	2009 Actual	Achieved	2010 Target	2010 Actual	Achieved	2011 Target	2011 Actual	Achieved	2012 Target	2012 Actual	Achieved	2013 Target	2013 Actual	Achieved	2014 Target	2014 Actual	Achieved	2015 Target	2015 Actual	% Achieved
1 Alpena	973	16	2%	2,586	3,859	149%	2,419	3,453	143%	3,244	4,251	131%	3,219	5,352	166%	3,597	6,770	188%	3,305	6,030	1829
2 Consumers Energy	107,939	145,118	134%	178,509	251,187	141%	255,039	353,006	138%	333,360	409,353	123%	335,498	473,045	141%	332,200	466,000	140%	331,877	353,398	1069
3 DTE Energy Electric	160,000	203,000	127%	227,153	402,995	177%	477,000	519,000	109%	455,000	611,000	134%	471,000	614,000	130%	534,000	794,399	149%	485,300	620,700	1289
4 Indiana Michigan 5 UP Power	9,159 2,509	197 350	2% 14%	24,110 6.750	25,157 6.357	104% 94%	22,427 6,363	21,626 7.749	96% 122%	29,403 8,272	30,999 9,494	105% 115%	28,743 8.137	34,572 11.195	120% 138%	28,877 8.142	37,634	130%	28,549 8.308	35,021 19,676	1239
6 Wisconsin Electric	8,414	44	14%	21,614	21,722	100%	19,800	20,745	105%	26,358	26,499	101%	26,709	28,492	107%	29,916	31,706	106%	4,436	8,071	1829
7 WPSCorp	876	2	0%	2,271	2,474	109%	2,093	2,529	121%	2,739	3,018	110%	2,734	3,466	127%	2,832	3,398	120%	2,855	3,672	1299
8 XCEL Energy	413	0	0%	1,100	1,407	128%	1,031	1,473	143%	1,378	2,074	151%	1,385	1,833	132%	1,400	1,753	125%	1,402	3,200	2289
Subtotal Electric IOUs Electric Cooperatives	290,283	348,727	120%	464,093	715,158	154%	786,172	929,580	118%	859,755	1,096,689	128%	877,425	1,171,955	134%	940,964	1,352,174	144%	866,032	1,049,768	1219
9 Alger Delta	303	22	7%	486	732	151%	448	225	50%	588	658	112%	582	678	116%	574	442	77%	573	729	1279
10 Bayfield	1	0	0%	2	3	150%	14	19	138%	2	2	118%	2	3	150%	2	2	109%	2	2	1009
11 Cherryland	791	751	95%	1,777	2,037	115%	2,699	3,889	144%	3,751	3,798	101%	3,661	3,667	100%	3,840	4,712		3,957	4,367	
12 Cloverland/Edison S. 13 Great Lakes	589 4,265	46 286	8% 7%	1,610 10,327	1,760 11,765	109% 114%	1,502 9,887	532 5,002	35% 51%	8,149 13,240	7,365 10,341	90% 78%	8,073 13,302	9,548 19,479	118% 146%	7,933 13,231	8,337 13,550	105%	7,929 13,210	8,692 13,694	1109
14 Midwest	1,618	234	14%	4,390	5,377	122%	4,377	2,191	50%	5,875	5,152	88%	5,905	6,880	117%	5,905	5,951	102%	6,038	6,328	1049
15 Ontonagon	160	5	3%	210	211	100%	189	212	112%	247	253	102%	248	678	273%	247	182		248	387	
16 Presque Isle	886	34	4%	1,917	2,621	137%	1,785	1,286	72%	2,362	1,981	84%	2,357	3,176	135%	2,336	2,251	96%	2,329	2,392	1039
17 Thumb 18 Tri-County	529	64	12%	1,714	1,315	77% 215%	1,121 2.337	663	59% 11%	1,507 3,121	1,689 2,483	112% 80%	1,512 3,135	1,784 3,852	118% 123%	1,523 3,160	1,094		1,534	1,696	1119
Subtotal Electric Coops	1,092 10,234	262 1,704	24% 17%	2,425 24,858	5,223 31,044	215% 125%	2,337 24,359	254 14,274	59%	3,121	33,722	80% 87%	3,135 38,777	3,852 49,745	123%	38,751			3,152 38,972	3,197 41,48 4	7 1019 1 1069
Municipals	,	-7: -7	=: /*	,	. =,= . 7		,	,		,	,-	27,0							,-,	,	
19 Baraga	60	97	162%	84	7	8%	226	185	82%	188	191	102%	184	233	127%	187	338		187	319	
20 Bay City	896	715	80%	1,473	2,251	153%	1,937	2,317	120%	2,860	3,037	106%	3,124	3,044	97%	3,374	4,012		3,058	3,937	
21 Charlevoix 22 Chelsea	203 266	79 409	39% 154%	450 365	262 359	58% 98%	678 696	423 1,221	62% 175%	603 366	643 479	107% 131%	608 738	693 893	114% 121%	324 591	550		405 874	602 889	
23 Clinton	146	173	118%	113	113	100%	161	1,221	102%	213	203	95%	227	241	106%	202			210	235	
24 Coldwater	865	37	4%	2,342	1,379	59%	2,342	1,409	60%	2,589	2,104	81%	2,589	2,056	79%	2,887			2,858	3,694	
25 Croswell	110	247	225%	133	230	173%	188	180	96%	357	489	137%	355	199	56%	288			336	327	
26 Crystal Falls 27 Dagget Electric Co.	50	718	1436% 140%	60 12	459 19	765% 158%	88 11	92 19	105% 167%	164	191	116% 181%	162 14		201% 114%	162			162 12	259	
28 Detroit PLD	2	2	100%	1,587	224	14%	2,986	2,286	77%	865	592	68%	0	0	114/0	0	0 0) 12570	0) 3037
29 Dowagiac	239	52	22%	547	521	95%	543	766	141%	417	538	129%	634		118%	660			648	1,006	1559
30 Eaton Rapids	154	61	40%	347	298	86%	449	470	105%	455	607	133%	331	830	251%	267	905		239	194	819
31 Escanaba 32 Gladstone	427 97	407	0% 420%	1,212 182	1,171 267	97% 147%	1,104 308	1,072 136	97% 44%	1,428 328	1,338 412	94% 126%	1,471 321	1,614 341	110% 106%	1,266 325	1,294		1,419 325	1,499	1069
33 Grand Haven	873	921	105%	1,373	1,591	116%	1,878	2,211	118%	2,223	1,912	86%	2,674	3,198	120%	1,712	2,298		2,160	2,993	
34 Harbor Springs	112	150	134%	171	167	98%	290	248	86%	358	369	103%	375	409	109%	375	572	153%	379	427	1139
35 Hart	115	101	88%	196	193	98%	299	140	47%	394	265	67%	421	562	133%	309	461		276	339	
36 Hillsdale 37 Holland	429 3,089	415 3,382	97% 109%	726 4,849	1,216 5,481	167% 113%	536 6,477	643 7,762	120% 120%	1,275 7,948	1,508 8,116	118% 102%	1,212 9,821	1,572 10,934	130% 111%	1,205 10,399	1,562	130%	1,193 10,173	1,790 12,865	1509
38 L'Anse	42	123	293%	79	10	13%	162	600	370%	137	174	102%	132	166	126%	10,333	213		10,173	601	
39 LBWL	6,831	6,972	102%	11,165	11,524	103%	15,877	17,587	111%	19,280	23,147	120%	18,363	26,757	146%	18,011	23,094	128%	20,521	30,150	1479
40 Lowell	180	289	161%	226	269	119%	432	578	134%	483	503	104%	548	444	81%	688	697		675	827	
41 Marquette 42 Marshall	872 357	363	0% 102%	2,534 579	3,198 835	126% 144%	2,435 605	1,827 1,129	75% 187%	3,098 537	2,912 868	94% 162%	3,199 725	3,827 1,039	120% 143%	2,403 746	2,861		3,070 1,039	3,185 859	1049
43 Negaunee	67	274	409%	92	85	92%	199	1,125	58%	217	256	118%	221	317	143%	222			226	398	
44 Newberry	17	0	0%	148	124	84%	144	155	108%	192	243	127%	140	206	147%	129	141		199	243	
45 Niles	440	234	53%	802	718	90%	1,122	1,052	94%	1,287	1,003	78%	1,496	1,233	82%	1,328			1,223	1,281	1059
46 Norway 47 Paw Paw	94	120	128% 94%	159	76	48%	317	313	99%	300 480	386	128%	294	1,128	384% 109%	293	501		292	361 463	
47 Paw Paw 48 Petoskey	116 232	109 880	94% 379%	201 404	115 599	57% 148%	373 809	177 477	47% 59%	1,080	450 839	94% 78%	458 1,116	497 688	109%	344 1,907	1,747		1,114	1,308	
49 Portland	107	103	96%	182	210	115%	240	155	65%	362	332	92%	372	366	98%	298	318	107%	343	563	1649
50 Sebewaing	125	531	425%	158	995	630%	203	305	150%	311	1,017	327%	163	716	439%	223			223	714	
51 South Haven 52 St. Louis	411	423 77	103%	688	610	89%	1,135	909 275	80%	1,312	1,582	121% 97%	1,315	1,425	108%	1,347			1,342	2,525	1889
52 St. Louis 53 Stephenson	120 17	0	64% 0%	242 49	251 47	104% 96%	294 45	275 47	94% 104%	378 60	365 68	97%	379 51	241 75	64% 147%	411 37	397		389 59	504 92	
54 Sturgis	720	797	111%	1,198	1,249	104%	1,937	1,792	93%	2,215	2,798	126%	1,557	1,911	123%	1,595	2,189	137%	1,750	2,073	1189
55 Traverse City	991	1,735	175%	1,149	1,945	169%	1,704	2,650	156%	2,543	4,109	162%	2,157	2,797	130%	2,826			2,802	2,733	989
56 Union City 57 Wakefield	47 38	53	113%	79	197	251%	118	129	109%	139 52	125 52	90%	164	142	87%	172			149	176	
57 Wakefield 58 Wyandotte	2,464	3,034	0% 123%	103 2,388	237 3,832	230% 160%	44 1,515	49 1,803	111% 119%	2,495	2,500	100% 100%	130 1,707	61 1,981	47% 116%	130 1,503	1,295		130 1,607	1,698	479
59 Zeeland	1,099	1,122	102%	1,335	2,202	165%	1,472	1,884	128%	2,601	1,484	57%	4,101	5,619	137%	2,132	2,790		2,438	3,410	1409
Subtotal Municipals	23,525	25,212	107%	40,182	45,536	113%	52,379	55,753	106%	62,605	68,233	109%	64,049	79,541	124%	61,417	76,557	125%	64,649	86,025	1339
Statewide Electric Totals	324,042	375,643	116%	529,133	791,738	150%	862,910	999,607	116%	961,202	1,198,644	125%	980,251	1,301,241	133%	1,041,132	1,468,713	141%	969,653	1,177,277	7 1219
a/ taas== :																					
% of MCF Sales		0.10%			0.25%			0.50%			0.75%			0.75%			0.75%				
	2009 Target	2009 Actual	% Achieved	2010 Target	2010 Actual	% Achieved	2011 Target	2011 Actual	% Ashioved	2012 Target	2012 Actual	% Ashioved	2013 Target	2013 Actual	% Achieved	2014 Target	2014 Actual	% Achieved	2015 Target	2015 Actual	% Achieved
Gas Companies	Target	Actual	Achieved	Target	Actual	Achieved	Target	Actual	Achieved	Target	Actual	Achieved	Target		Achieved	Target		Achieved	Target		Achieved
1 Consumers Energy	299,623	396,783	132%	743,943	937,915	126%	1,263,564	2,039,609	161%	1,844,899	2,378,978	129%	1,765,915	2,173,124	123%	1,810,552	2,400,000	133%	1,915,363	2,091,625	1099
2 DTE - Gas	164,003	250,680	153%	405,110	792,000	196%	1,164,000	1,364,000	117%	894,701	1,186,000	133%	1,240,000	1,436,000	116%	1,305,000	1,554,995	119%	1,178,300	1,479,900	1269
3 MGU	Combined 2000 2	010 as these provid	lors were not of	105,323	122,432	116%	150,300	111,990	75%	219,898	262,259	119%	216,038	259,722	120%	210,757	344,998	164%	219,141	265,212	
4 SEMCO Energy		d. Two year targets		195,859	243,050	124%	280,158	305,433	109%	409,480	417,774	102%	402,944	523,683	130%	394,464	543,646	138%	584,536	705,490	1219
5 WPSCorp		.10% + .25%		5,301	5,788	109%	7,515	7,966	106%	10,946	30,877	282%	10,748	13,152	122%	11,366	13,771	121%	12,271	21,844	
6 XCEL Energy Statewide Gas Totals	463,626	647,463	140%	3,126 1,458,662	9,061 2,110,246	290% 145%	4,481 2,870,018	7,009 3,836,008	156% 134%	6,500 3,386,424	6,986 4,282,874	107% 126%	6,264 3,641,909	6,760 4,412,441	108% 121%	6,000 3,738,13 9			6,444 3,916,055	17,011 4,581,082	2 2649
Statewide das Totals	403,026	047,403	140%	1,458,002	2,110,246	145%	2,070,018	3,030,008	134%	3,380,424	4,282,874	120%	3,641,909	4,412,441	121%	3,/38,139	4,000,075	130%	3,510,055	4,381,082	11/9

2	Utilities												
December		2009-2011	2012	2013	2014	2015							
2		A744 540	4540.504	4456 405	4505.045	Å 420 E20							
Description Septiment Se						\$420,528							
A Indian Michigan						\$87,100,000							
Wiscomin Hedric S981,888 S931,154 S881,440 S20,955 S727 WPSCorp S558,620 S381,401 S409,687 S712,535 S309 S80,000 S80,0						\$5,064,846							
	5 UP Power	\$2,555,556	\$1,967,085	\$1,834,617	\$1,626,752	\$1,491,437							
Section Sect	6 Wisconsin Electric	\$983,889	\$931,154	\$883,440	\$820,905	\$727,502							
Subtotal Electric Cobs \$232,622,276 \$145,419,048 \$152,302,070 \$167,771,538 \$177,548 \$177,548 \$10. Bayfried						\$309,185							
Aliger Petra						\$230,593							
9 Alger Delta		\$232,622,276	\$145,413,948	\$152,302,070	\$167,771,538	\$1/1,544,091							
10 Bayrleid	· ·	\$201.039	\$148,468	\$155,303	\$150,910	\$183,629							
12 Covertant/Edison Sault						\$719							
18 Deres Lakes	11 Cherryland	\$439,729	\$174,515	\$329,623	\$344,215	\$289,921							
14 Midwest	12 Cloverland/Edison Sault	\$1,327,578	\$904,920	\$1,273,334	\$1,080,115	\$1,147,541							
15 Ontonagon						\$1,858,446							
16 Presque Isle			, , , , , , , , , , , , , , , , , , , ,			\$1,137,178							
17 Thumb						\$42,246 \$364,501							
18 Tri-County						\$299,744							
Numicipals S42,794				' '		\$499,903							
19 Baraga	•	\$7,974,258	\$4,539,722	\$6,007,195	\$5,593,184	\$5,823,828							
20 Bay City S779,774 \$469,307 \$479,666 \$578,296 \$700 \$21 Charlevolax \$124,543 \$568,757 \$73,900 \$63,333 \$94 \$22 Chelsea \$174,424 \$72,410 \$36,909 \$108,690 \$112,230 \$21,000 \$23,000	Municipals												
21 Charlevolix S124,543 \$68,757 \$78,900 \$63,353 \$94					, ,	\$37,467							
22 Chelsea		' '				\$700,192							
23 Clinton						\$94,145 \$127,311							
24 Coldwater						\$127,311							
Stroswell						\$265,514							
27 Daggett S3,199 S2,469 S1,993 S1,875 S1 28 Detroit PLD S527,650 S141,860 S19 Dowagiac S179,237 S66,347 S113,166 S113,643 S121 30 Eaton Rapids S99,978 S67,040 S86,412 S84,448 S58 31 Escanaba S271,926 S191,237 S211,714 S160,238 S265 32 Gladstone S106,122 S79,460 S61,598 S70,807 S54 33 Grand Haven S601,512 S228,811 S173,729 S370,376 S376 33 Harthor Springs S80,329 S43,205 S64,774 S56,859 S47 35 Hart Hydro S65,815 S38,926 S68,214 S74,927 S370,376 S376 36 Hillidale S218,169 S214,108 S196,493 S201,931 S191 37 Holland S2,056,460 S1,066,505 S1,265,403 S1,472,659 S1,072 38 L'Anse S37,661 S31,114 S22,350 S25,586 S27 39 LBWL S5,457,314 S3,260,845 S3,612,207 S3,537,494 S3,878 40 Lowell S147,825 S63,247 S92,874 S16,662 S74 41 Marquette S701,097 S488,019 S468,288 S403,665 S74 42 Marshall S137,457 S55,902 S74,234 S84,910 S74 43 Negaunee S93,777 S65,940 S54,094 S45,694 S40 44 Newberry S43,332 S31,159 S34,013 S16,728 S32 45 Niles S300,065 S129,103 S120,312 S22,279 S15 46 Norway S98,179 S72,560 S81,451 S65,792 S55 47 Paw Paw S64,413 S59,998 S24,638 S79,359 S70 48 Portland S80,819 S41,497 S60,388 S57,832 S65 50 Sebewaing S119,312 S43,777 S79,777 S55,604 S64,041 S46,044 S66,045 S60 51 South Haven S281,730 S260,273 S22,279 S46,046 S36 52 St. Louis S86,583 S53,446 S66,106 S73,664 S66 53 Stephenson S16,467 S7,799 S8,055 S6,854 S8 54 Sturgis S462,458 S242,340 S23,663 S10,612,483 S79,359 S70 57 Wakefield S18,908 S61,868 S10,612,483 S19,377 S99,579 S25 S70 S80,514 S66,000 S24,113,557 S24,000 S26,000 S24,113,557 S24,000 S26,000 S26,600,000 S24,113,557 S24,000 S26,000 S26,600,000 S24,113,557 S24,000 S26,000 S24						\$38,081							
28 Detroit PLD	26 Crystal Falls	\$82,466	\$43,440	\$43,059	\$55,740	\$33,006							
29 Dowaglac \$179,237 \$66,347 \$113,166 \$113,643 \$121 \$30 Extan Rapids \$99,978 \$67,040 \$86,412 \$84,448 \$58 \$31 Escanaba \$271,926 \$191,237 \$211,714 \$160,238 \$265 \$32 Gladstone \$106,122 \$79,460 \$61,598 \$70,807 \$54 \$33 Grand Haven \$601,512 \$228,811 \$173,729 \$370,376 \$376 \$34 Harbor Springs \$80,329 \$43,205 \$54,774 \$556,859 \$73,837 \$35 Hart Hydro \$65,815 \$38,926 \$68,214 \$74,927 \$51 \$35 Hart Hydro \$65,815 \$38,926 \$68,214 \$74,927 \$51 \$36 Hillsdale \$218,169 \$214,108 \$196,493 \$201,931 \$191 \$37 Holland \$2,056,460 \$1,066,505 \$1,265,403 \$1,472,659 \$1,072 \$39 LBWL \$5,457,314 \$3,260,845 \$3,612,207 \$3,537,494 \$3,878 \$40 Lowell \$147,825 \$563,247 \$92,874 \$136,862 \$74 \$41 Marquette \$701,097 \$488,019 \$468,288 \$403,665 \$500 \$42 Marshall \$137,457 \$55,902 \$74,234 \$84,910 \$74 \$44 Mewberry \$43,332 \$331,159 \$34,013 \$316,728 \$32 \$45 Miles \$300,065 \$120,031 \$322,279 \$35 \$35 \$34 \$3	27 Daggett	\$3,199	\$2,469	\$1,993	\$1,875	\$1,852							
Section Rapids S99,978 S67,040 S86,412 S84,448 S58 S12 Escanaba S271,926 S191,237 S211,714 S160,238 S265 S26,239 S261,5398 S70,807 S54,331 S56,539 S47,320 S61,5398 S70,807 S54,331 S73,739 S370,376 S376 S3													
Second						\$121,180							
32 Gladstone \$106,122 \$79,460 \$61,598 \$70,807 \$54 \$33 Grand Hawen \$601,512 \$228,811 \$173,729 \$370,376 \$376 \$41 Harbor Springs \$80,329 \$43,205 \$64,774 \$56,859 \$47 \$35 Hart Hydro \$65,815 \$38,926 \$68,214 \$74,927 \$51 \$36 Hillsdale \$218,169 \$214,108 \$196,493 \$201,931 \$191 \$37 Holland \$2,056,460 \$1,066,505 \$1,265,403 \$1,472,659 \$1,072 \$38 L'Anse \$37,661 \$31,114 \$22,350 \$25,559 \$25,586 \$288 \$39 LBWL \$5,457,314 \$3,260,845 \$3,612,207 \$3,537,494 \$3,878 \$40 Lowell \$147,825 \$63,247 \$92,874 \$136,862 \$74 \$41 Marquette \$701,097 \$488,019 \$468,288 \$403,665 \$500 \$42 Marshall \$137,457 \$55,902 \$74,234 \$84,910 \$74 \$43,332 \$31,159 \$34,013 \$16,728 \$32 \$45 Niles \$300,065 \$129,103 \$120,312 \$222,279 \$190 \$46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 \$47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$77 \$77,489 \$77						\$58,887 \$265,300							
33 Grand Haven \$601,512 \$228,811 \$173,729 \$370,376 \$376 \$34 Harbor Springs \$80,329 \$43,205 \$64,774 \$56,859 \$47 \$35,859 \$47 \$35,876 \$35 \$48 \$						\$54,825							
Section Sect						\$376,155							
Hillisdale \$218,169 \$214,108 \$196,493 \$201,931 \$191	34 Harbor Springs	\$80,329	\$43,205	\$64,774	\$56,859	\$47,197							
37 Holland \$2,056,460 \$1,066,505 \$1,265,403 \$1,472,659 \$1,072			, , , , ,			\$51,966							
38 L'Anse						\$191,637							
39 LBWL			. , ,			\$1,072,065							
A0 Lowell						\$28,353 \$3,878,490							
41 Marquette \$701,097 \$488,019 \$468,288 \$403,665 \$500 42 Marshall \$137,457 \$55,902 \$74,234 \$84,910 \$74 43 Negaunee \$93,777 \$65,940 \$54,094 \$45,694 \$40 44 Newberry \$43,332 \$31,159 \$34,013 \$16,728 \$32 45 Niles \$300,065 \$129,103 \$120,312 \$222,279 \$190 46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$111,9312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$26 52 St. Louis \$86,583 \$53,466 \$66,106 \$73,664 \$60 </td <td></td> <td></td> <td></td> <td></td> <td>1 - 7 - 7 -</td> <td>\$74,326</td>					1 - 7 - 7 -	\$74,326							
43 Negaunee \$93,777 \$65,940 \$54,094 \$45,694 \$40 44 Newberry \$43,332 \$31,159 \$34,013 \$16,728 \$32 45 Nilles \$300,065 \$129,103 \$120,312 \$222,279 \$190 46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332						\$500,865							
44 Newberry \$43,332 \$31,159 \$34,013 \$16,728 \$32 45 Niles \$300,065 \$129,103 \$120,312 \$222,279 \$190 46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387	42 Marshall	\$137,457	\$55,902	\$74,234	\$84,910	\$74,853							
45 Niles \$300,065 \$129,103 \$120,312 \$222,279 \$190 46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$11		\$93,777	\$65,940	\$54,094	\$45,694	\$40,818							
46 Norway \$98,179 \$72,560 \$81,451 \$65,792 \$55 47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$26 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,998 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$32,887</td>						\$32,887							
47 Paw Paw \$64,413 \$55,998 \$24,638 \$79,359 \$70 48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$26 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$190,805</td>						\$190,805							
48 Petoskey \$170,584 \$96,140 \$24,929 \$167,240 \$174 49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,466 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471						\$55,267 \$70,204							
49 Portland \$80,819 \$41,497 \$60,388 \$57,832 \$65 50 Sebewaing \$119,312 \$43,577 \$79,772 \$54,616 \$61 51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,4						\$174,399							
51 South Haven \$281,730 \$260,203 \$224,941 \$240,518 \$226 52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$66,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945						\$65,519							
52 St. Louis \$86,583 \$53,446 \$66,106 \$73,664 \$60 53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$11 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 50 Consumers \$87,207,089	50 Sebewaing	\$119,312	\$43,577	\$79,772	\$54,616	\$61,591							
53 Stephenson \$16,467 \$7,799 \$8,055 \$6,854 \$8 54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 50 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 51 DTE Energy Gas \$44,						\$226,012							
54 Sturgis \$462,458 \$242,340 \$230,663 \$316,200 \$332 55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$24,119,00 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$						\$60,509							
55 Traverse City \$865,596 \$612,250 \$394,329 \$460,846 \$387 56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy						\$8,738							
56 Union City \$18,295 \$11,577 \$12,738 \$9,679 \$25 57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78						\$332,581 \$387,710							
57 Wakefield \$18,908 \$6,186 \$10,525 \$5,596 \$19 58 Wyandotte \$714,828 \$238,925 \$205,254 \$346,719 \$346 59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65						\$25,187							
59 Zeeland \$618,228 \$285,371 \$420,021 \$405,471 \$392 Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101						\$19,062							
Subtotal Municipals \$16,368,207 \$9,585,545 \$9,851,680 \$10,612,483 \$10,599 Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies \$60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101	58 Wyandotte	\$714,828	\$238,925	\$205,254	\$346,719	\$346,202							
Subtotal Statewide Electric \$256,964,741 \$159,539,215 \$168,160,945 \$183,977,204 \$187,967 Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101	•					\$392,449							
Gas Companies 60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101						\$10,599,852							
60 Consumers \$87,207,089 \$48,148,786 \$47,776,959 \$40,600,000 \$41,900 61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101		\$256,964,741	\$159,539,215	\$168,160,945	\$183,977,204	\$187,967,771							
61 DTE Energy Gas \$48,112,540 \$28,600,000 \$25,600,000 \$24,113,957 \$24,000 62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101	1	\$87.207.089	\$48.148 786	\$47.776 959	\$40,600,000	\$41,900,000							
62 MGU \$5,308,430 \$3,671,084 \$3,471,355 \$2,563,990 \$2,269 63 SEMCO Energy \$10,285,456 \$6,242,032 \$7,363,011 \$5,469,134 \$5,930 64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101						\$24,000,000							
64 WPSCorp \$169,938 \$91,685 \$98,743 \$77,633 \$78 65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101						\$2,269,607							
65 Xcel Energy Electric \$218,623 \$109,531 \$112,867 \$102,188 \$101	63 SEMCO Energy	\$10,285,456	\$6,242,032	\$7,363,011	\$5,469,134	\$5,930,748							
						\$78,803							
						\$101,642							
						\$74,280,800 \$262,248,571							